

Title (en)

ALKALINE FUEL CELL UNAFFECTED BY CARBONATION

Title (de)

VON KARBONATISIERUNG UNBEEINTRÄCHTIGTE ALKALISCHE BRENNSTOFFZELLE

Title (fr)

PILE A COMBUSTIBLE ALCALINE INSENSIBLE A LA CARBONATATION

Publication

EP 1695402 B1 20081210 (FR)

Application

EP 04805612 A 20041202

Priority

- FR 2004003092 W 20041202
- FR 0314730 A 20031216

Abstract (en)

[origin: FR2863777A1] Alkaline fuel cell (1) comprises two electrodes (2, 4) separated by a solid membrane (3) that conducts hydroxide ions, the electrodes having membrane-contacting active layers (2a, 4a) comprising a catalyst, an electronic conductor and a hydroxide ion conductor which is a styrene polymer with quaternary ammonium hydroxide functions.

IPC 8 full level

H01M 4/86 (2006.01); **H01B 1/12** (2006.01); **H01M 4/88** (2006.01); **H01M 8/08** (2006.01); **H01M 4/92** (2006.01); **H01M 8/02** (2006.01)

CPC (source: EP US)

H01B 1/122 (2013.01 - EP US); **H01M 4/8605** (2013.01 - EP US); **H01M 4/925** (2013.01 - EP US); **H01M 8/083** (2013.01 - EP US); **H01M 8/0289** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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